USER MANUAL

MODEL NUMBER:
ALX-LITE-SS Controller Series

Allocation Logix

English (Original Instructions)

CleanLogix
Integrated • Sanitation • Intelligence

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

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WARNING

Avoid Personal Injury

1. Avoid contact of cleaning agent with skin and eyes. If contact occurs, see MSDS sheet for further first aid measures.

2. Follow safety instructions of chemical manufacturer (MSDS).

3. Always follow plant and OSHA guidelines about the use of hygiene equipment.

4. Disconnect power before servicing unit.

Specifications

Width.....11.5”

Depth.....5”

Height.....9.5”

Electrical Connection Requirements

115 Volts AC
Single Phase
60 Hz
2 Amps
24 VDC - Control Voltage (Unit has internal power supply)

Acceptable Chemical Products

- Acids
- Caustics
- Sanitizers
- Chlorine

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Installation Instructions

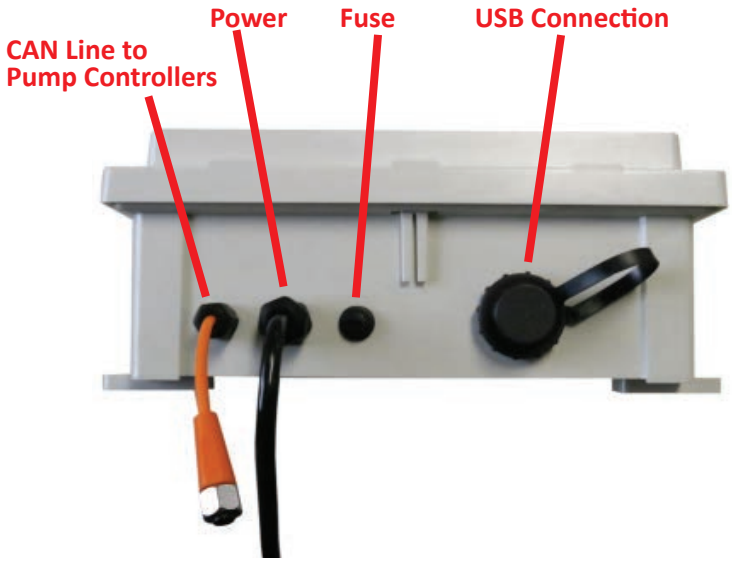
Control Box

Aspects to consider when deciding on placement:

- Distance to electrical connection.
- Distance from pump controllers.
- Distance to Ethernet or WiFi connections (depending on model).
- Room for entering and exiting.
- Emergency exit paths.

Attach the included mounting feet to the control box with a phillips screwdriver. Securely mount control box to wall, then plug into 115 volt wall outlet. *Do not turn on until unit has been connected to the mounted pump controllers.*

If the unit was purchased with an Ethernet connection, plug it into the plant network. *(See page 21 to setup the unit on an Ethernet network).*



Pump Controllers

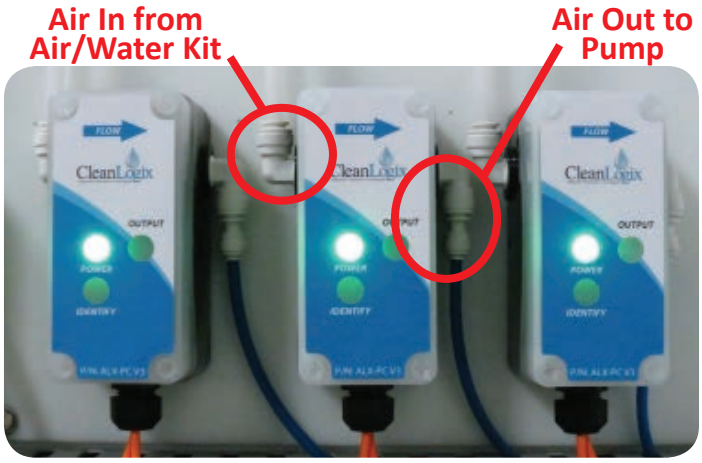
The pump controllers are comprised of a circuit board and solenoid to control air flow to each air operated double diaphragm pump.

When a pump controller is turned on, the solenoid will open and send air out to its corresponding AODD pump, which will send chemical through the dispense hoses. *(See Page 6 on dispense methods and setup).*

Place the pump controller board(s) in desired location.

Aspects to consider when deciding on placement:

- Number of pump controllers.
- Distance between the pumps and their pump controllers.
- Quantity of hose and tubing available to make connections.



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Pump Controllers (Continued)

Securely mount the board(s) to wall.

The pump controllers come pre-daisychained with their CAN lines & 3/8” air lines. Use the provided 5m CAN cable to connect multiple pump controller boards together if the system comes with more than one board.

Connect the end of the CAN line on the pump controller board to the CAN cable from the control box.

String 3/8” airlines from the “Air Out” connection on the pump controllers to each corresponding pump to finish installation.

Turn the control box on by pulling out on the red On/Off switch mounted on the front of the box, then check for a green power light on each pump controller, signaling power.

NOTE: The pumps require clean, dry air for proper operation. The customer is responsible for installing an air regulator before the pump controllers to ensure correct operation of the solenoids. Do not use lubricated air with this system.

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Dispensing Setup

The ALX-LITE-SS can be setup to dispense chemical in a variety of ways. Contact your chemical provider for assistance in selecting the best option for your system. Some examples of systems are listed below.

Common Manifold:

All compatible chemicals are dispensed through one hose. Connect the outgoing hose from the pump output onto the checkvalves, using a hose clamp on each hose.

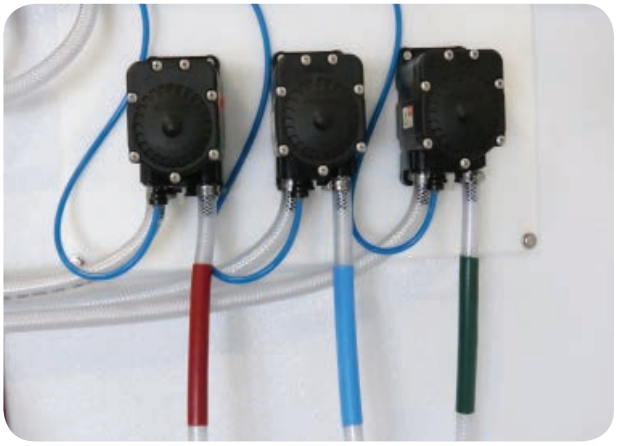
Make sure the hose is all the way on the hosebarb before tightening the hose clamp.

Make sure acids run into one manifold and caustics run into the opposite one.

Common Manifold

Separate Hose for Each Product:

Chemical is dispensed directly from the pump into a container or remote destination. Make sure the pumps and hoses are labeled correctly.



Separate Hoses for Each Product

Dilution with a Venturi Injector:

A Venturi injector is mounted onto one of the pump controller bodies, and a pickup line for chemical is run to the chemical supply.

Water runs straight through the solenoid valve into the Venturi injector to premix concentrace into Ready-To-Use product, and is dispensed directly into a container.

Dilution

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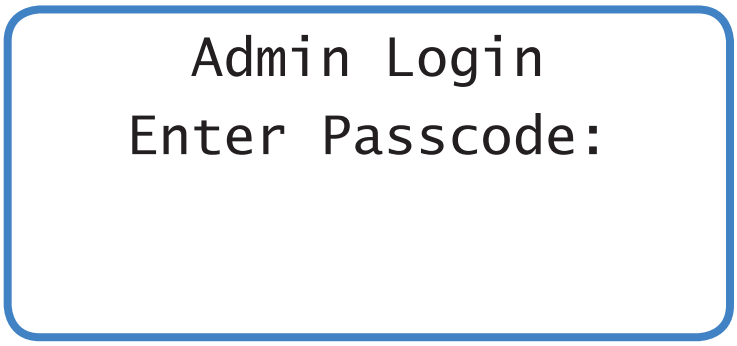
Setup Instructions

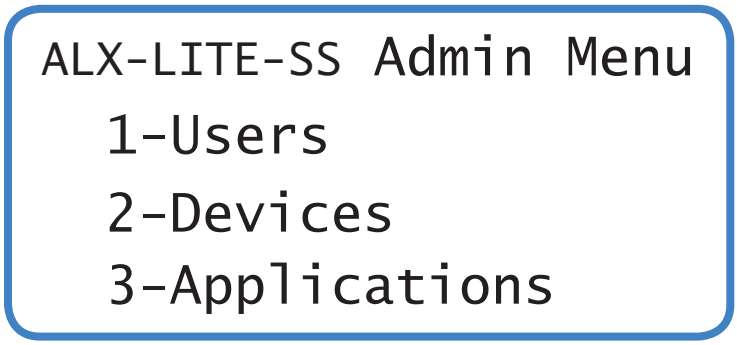
Admin Settings

To edit settings on the ALX-LITE-SS, log into the Admin screen by pressing the "Admin" button and typing in the 4-digit administrator passcode. The default Admin user will be setup with the code "1234." This code can be changed under the "Users" section. *(See Page 8).*

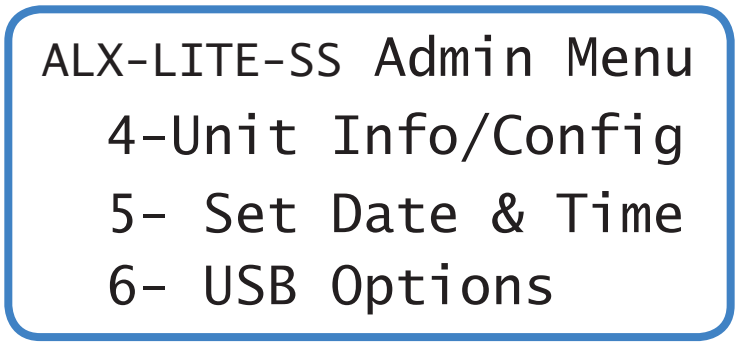
The Admin screen will automatically return to the home screen after 1 minute of inactivity for security purposes.

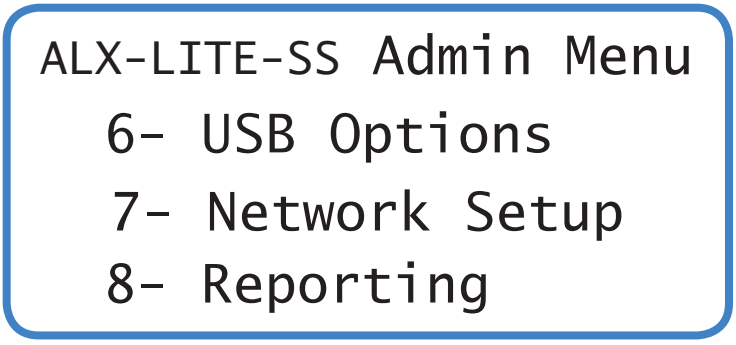


To edit a setting select its option from this menu:



- **Users:** Create, edit, and delete users.
- **Devices:** Assign devices to different pumps and chemicals.
- **Applications:** Create, edit, and delete dispense applications on the unit.
- **Unit Info/Config:** Edit the login permissions, language, units of measurement, and view the unit's serial number and build date.
- **Set Date & Time:** Set the date, time, hour, and minute on the unit.
- **USB Options:** Export events, dispense logs, and import/export configuration files to a USB flash drive.
- **Network Setup:** Setup the unit on a WiFi or Ethernet network so it can send out Dispense Reports via email.
- **Reporting:** View the reporting status, and change the timing and recipients of the Dispense Reports.





NOTE: If at any point you need to go back press ESC

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User Settings

To create new, and edit existing users, log into the Admin screen by pressing the “Admin” button and typing in the 4-digit administrator passcode.

Press “1” or use the navigational keys to select the “Users” option and press ENTER.

This will bring up a list of users currently setup on the unit. Use the navigational keys to scroll through the list.

To edit current users, use the navigational keys to select them from the list, then press ENTER.

To create a new user, select “Add New User” and press ENTER.

Using the keypad, type in the user’s name and their 4-digit passcode they will use to login.

Use the → and ← keys to select whether this user will have administrator privileges or not.

If the ALX-LITE-SS comes with an RFID reader and the user has an RFID card that they will use to login, scan the card here. This will assign the card to that particular user.

NOTE: To assign cards to users, “RFID” must be enabled under “Unit Info/Config. *(See Page 15).*

NOTE: Only one card can be assigned per user, and cards cannot be shared between other users.

```
Edit Users
  00- Add New User
  01- Administrator
```

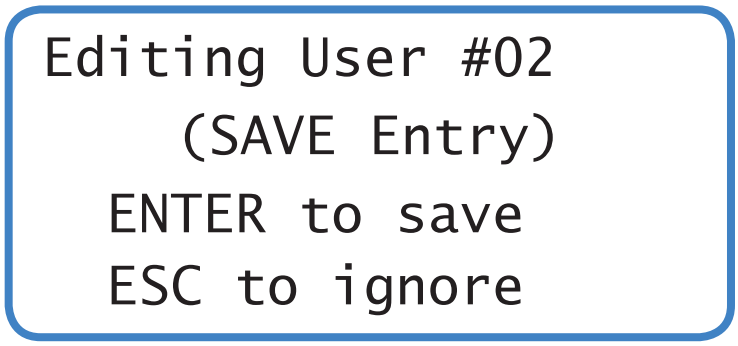
```
Editing User #02
  Name: Plant User
  Password: 0000
  Admin:  >NO<  YES
```

```
Editing User #02
  Password: 0000
  Admin:  >NO<  YES
  RFID: 0000000000
```

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

User Settings (Continued)

Once finished, press ESC to go to the confirmation page. From here, press ENTER to save the user, or ESC to ignore.



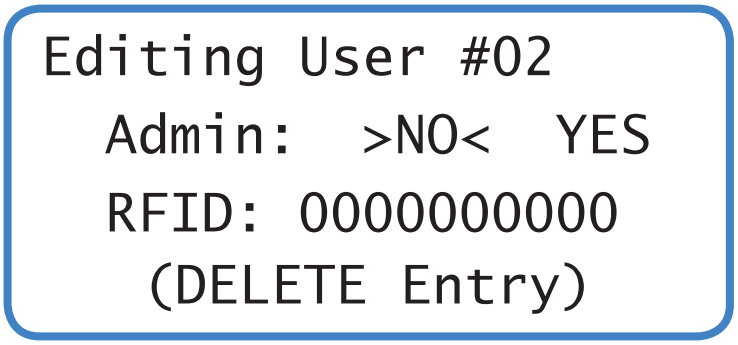
NOTE: A 4-digit code can only be assigned to one user. Users cannot share codes. If the code being assigned to the user is "0000" or a code that is already assigned to another user, the screen will say "Supplied Password is Invalid. Please Correct and Try Again."

The new user will now appear in the list of users.

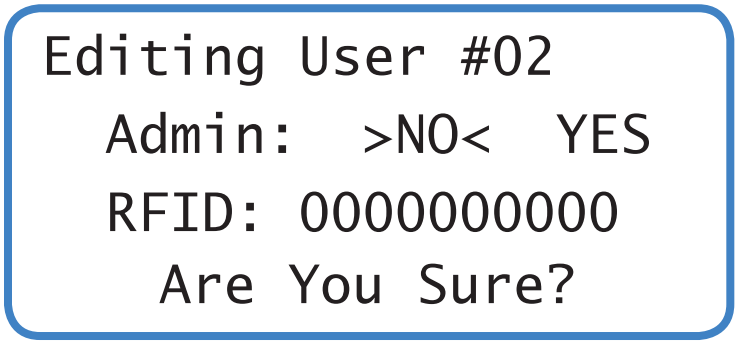
Deleting Users

To delete a user, select it from the list and press ENTER. Press ↓ to scroll to the bottom of the screen.

Select "DELETE Entry" and press ENTER. A message will appear and say "Are you Sure?" Press ENTER again to confirm deletion.



The unit will always require at least one user to be an administrator.



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Devices

To edit Device Settings, log into the Admin screen by pressing the “Admin” button and typing in the 4-digit administrator passcode.

Press “2” or use the navigational keys to select the “Devices” option and press ENTER.

```
Edit Devices
  155-Unknown Device
  156-Unknown Device
  157-Unknown Device
```

This will bring up a list of pump controllers currently connected to the unit. Use the navigational keys to scroll through the list.

To edit current devices, use the navigational keys to select them from the list, then press ENTER.

If the devices have not yet been assigned, they will appear as “Unknown Device.”

To label and assign a device, select it from the list and press ENTER. When a device is selected, the pump controller’s “Identify” light will blink red to indicate which pump is being assigned.

```
Editing Device #155
  Device Name:

  Device ID:
```

Using the keypad, type in the name of the chemical that will be assigned to this pump. Once the name is in, press ↓ to move to the next field.

If necessary, type in an ID number for the chemical, then press ↓ to move to the next field.

```
Editing Device #155
  Device ID:

  Type: AODD Pump
```

Use the → key to select the type of device that this pump controller will be connected to (a valve, air operated double diaphragm pump, or a piston pump.

Once the device type is selected, press ↓ to move to the next field.

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Valves and AODD Pumps

If the device type is set to “Valve” or “AODD Pump,” the next option that will appear is “Prime Pump.” Place a jug under the dispense hose of the system (dispense setups will vary. *See Page 6 for different options*).

Press START to begin priming the pump. This will turn the device on, opening the solenoid and air supply to the pump.

The green “Output” light on the pump controller will turn on, signaling the solenoid is open. Ensure that the air supply is open so the pump receives air.

Once chemical is through the whole hose and dispensing, press STOP to turn the pump off.

Press ESC once to go to the confirmation page. From here, press ENTER to save the device assignment, or ESC to ignore.

```
Editing Device #155

  Type: AODD Pump
  Prime (Start/Stop)
```

Piston Pumps

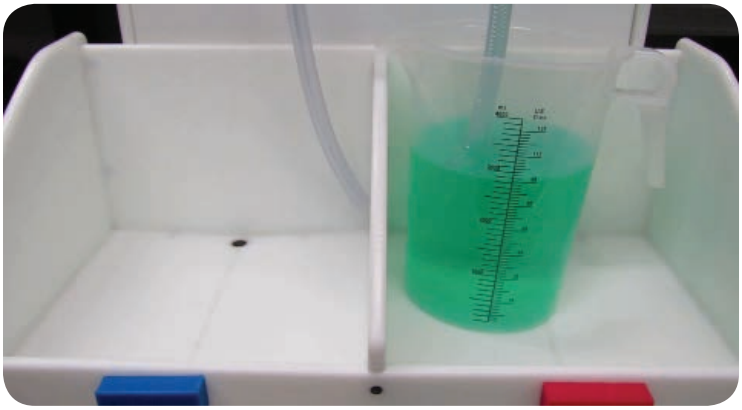
If a piston pump is selected, the volume of chemical that it pumps per cycle, its ON time, and OFF time must be typed in before it can be primed.

Once the values have been added, press ↑ to scroll back up to prime the pump.

Press START to begin priming the pump. The piston pump will open and close for the number of seconds that it was set to.

Once chemical is through the whole hose and dispensing, press STOP to turn the pump off.

Press ESC once to go to the confirmation page. From here, press ENTER to save the device assignment, or ESC to ignore.

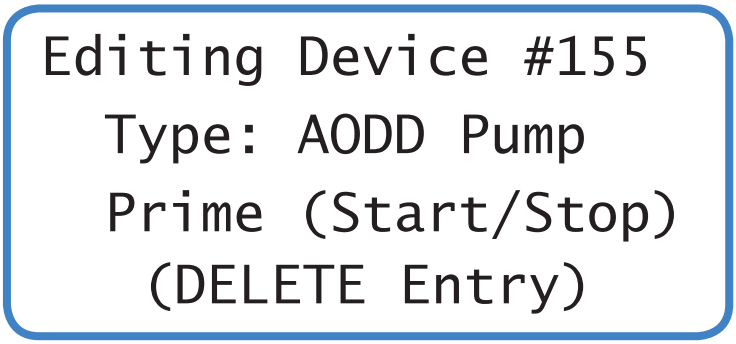


```
Editing Device #155
  Type: Piston Pump
  Volume:  000.00
  ON Time:   0.0s
```

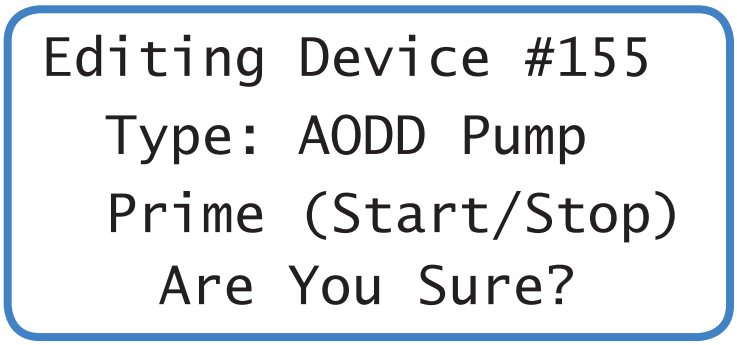
READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Deleting Devices

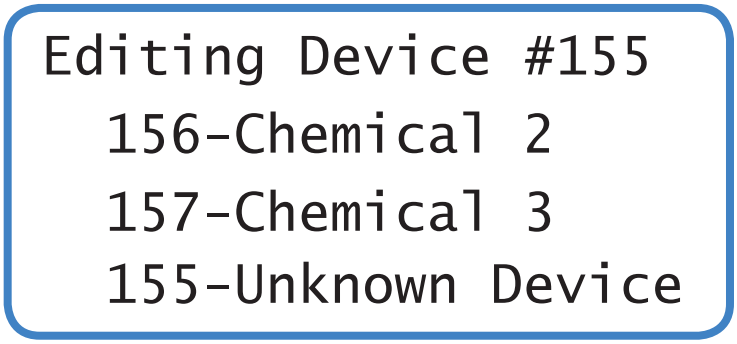
To delete a device's assignment, select it from the list and press ENTER. Press ↓ to scroll to the bottom of the screen.



Select "DELETE Entry" and press ENTER. A message will appear and say "Are you Sure?" Press ENTER again to confirm deletion.



If it is still plugged into the CAN network, the device will still appear in the list of Devices as "Unknown Device."

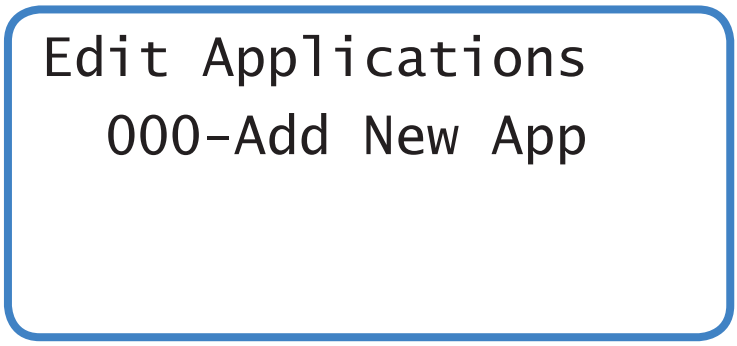


READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Applications

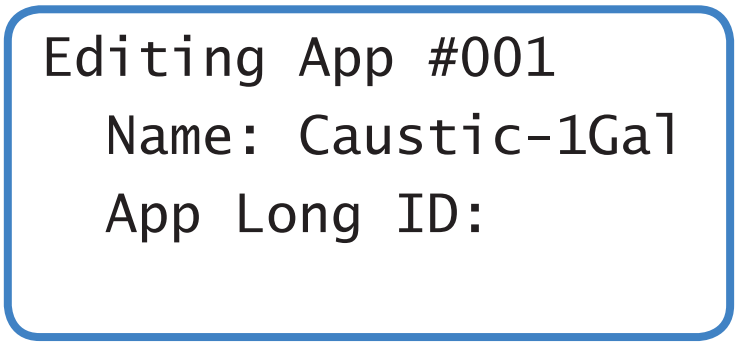
To create new and edit existing applications, log into the Admin screen by pressing the “Admin” button and typing in the 4-digit administrator passcode.

Press “3” or use the navigational keys to select “Applications” and press ENTER.



This will bring up a list of applications currently setup on the unit. Use the navigational keys to scroll through the list.

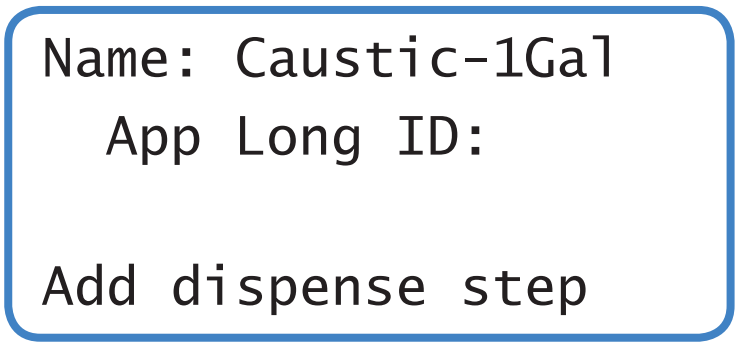
To edit current applications, use the navigational keys to select them from the list, then press ENTER.



To create a new application, select “Add New App” and press ENTER.

Use the keypad to type in the 3 digit code and name of the application. The code is what users will type in to select which app to dispense.

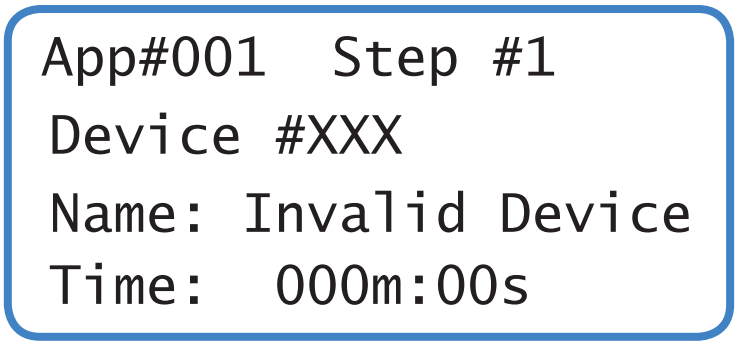
Once the code and name are in, press ↓ to move to the next field.



If necessary, type in a “Long ID” number for the application, then press ↓ to move to the next field.

Press ENTER to add a dispense step. Scroll to “Device #XXX”, then press → or ← to select device *(See Page 10 to setup new devices).*

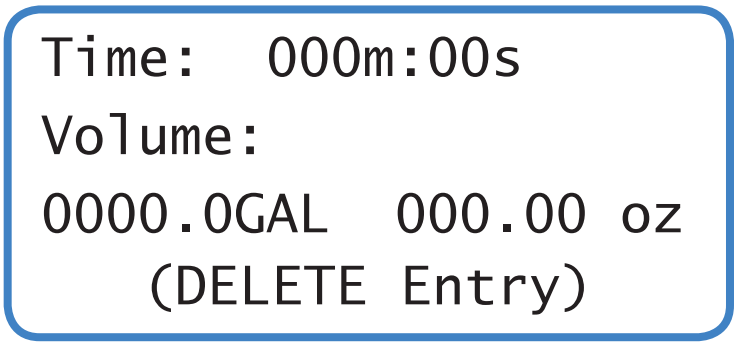
Once the application has been assigned to a device, press ↓ to move to the next field.



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

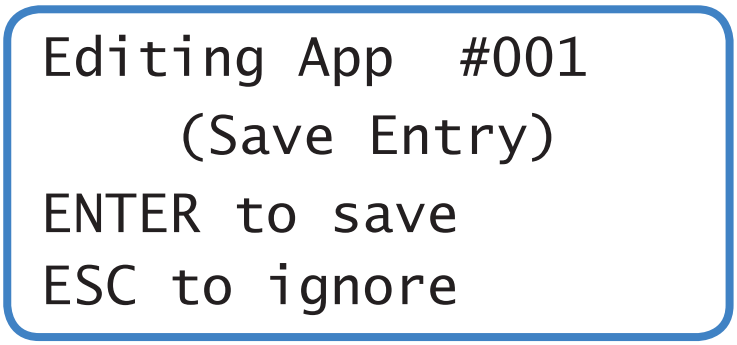
Applications (Continued)

The ALX-LITE-SS uses Fixed Time calibrations to dispense chemical. Use the keypad to set the On Time for this application (how many minutes/seconds the pump will run chemical).



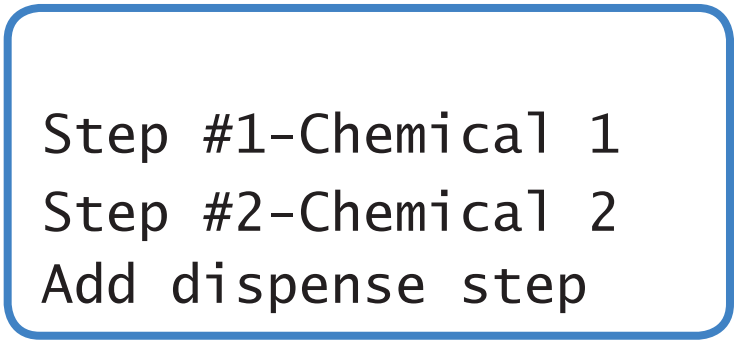
Once the time is set, press ↓ and use the keypad to set the volume that will be reported with this application.

NOTE: If the application will use a piston pump, the unit will automatically scroll down to "volume." Type in the volume that needs to be dispensed in this application, and the On Time will automatically update using the Volume, On Time, and Off Time that was setup on this device. (*See Page 11 to setup devices as piston pumps.)*



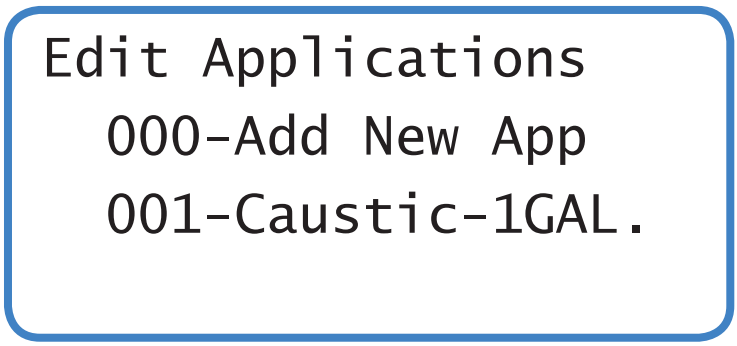
Once finished, press ESC to go back to the "Editing App" menu. Press ESC again and the confirmation page will appear. From here, press ENTER to save the new application, or ESC to ignore.

Once saved the new app will now appear in the list of applications.



Deleting Applications

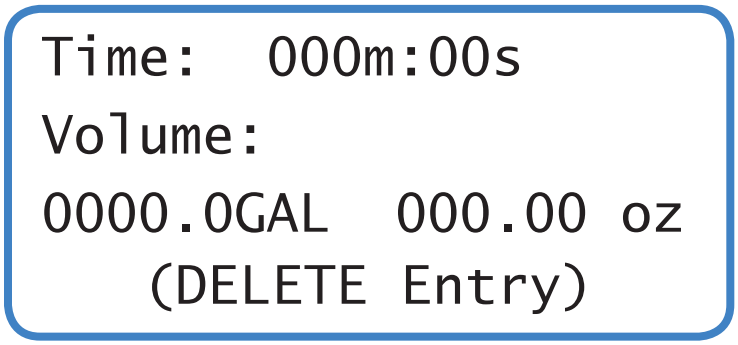
To delete an application, select it from the list and press ENTER. Press ↓ to scroll to the bottom of the screen.



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Deleting Applications (Continued)

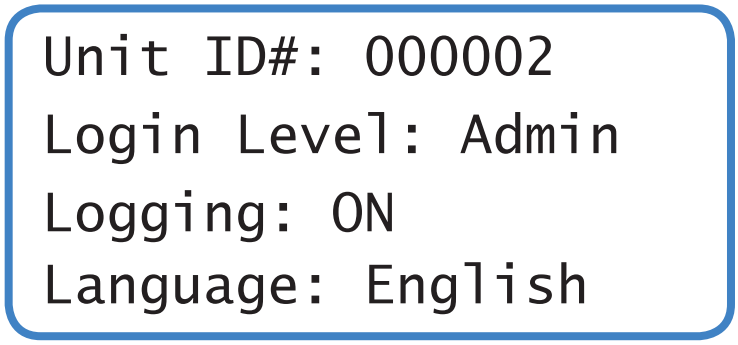
Select “DELETE Entry” and press ENTER. A message will appear and say “Are you Sure?” Press ENTER again to confirm deletion.



Unit Info/Config

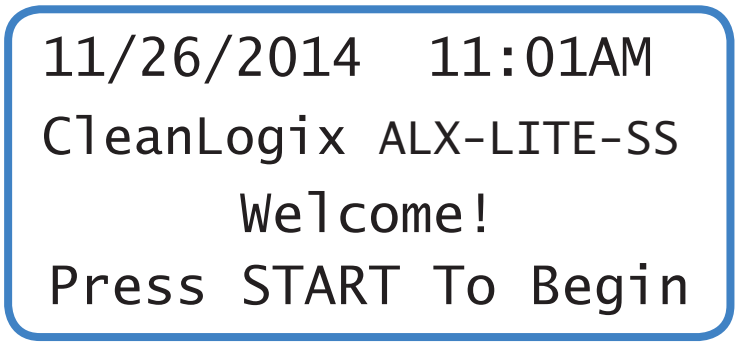
To edit Unit Config Settings, log into the Admin screen by pressing the “Admin” button and typing in the 4-digit administrator passcode.

Press “4” or use the navigational keys to select “Unit Info/Config” and press ENTER.



From here the unit’s basic config settings can be changed. To change an option, use the navigational keys to select it, then press ENTER, → or ← to switch settings.

Press ENTER, → or ← over the “Login Level” option to specify how users login. If it is set to “Admin,” the home page will not require users to type in their passcode to dispense, and will simply say “Press Start to Begin.”



If it is set to “Users” or “RFID,” the unit will require users to type in their 4-digit code or swipe their RFID card to dispense.

NOTE: To assign cards to users, “RFID” must be enabled

Press ENTER, → or ← over the “Logging” option to turn dispense logging on or off. If turned on, the unit will store the dispense and event logs that occur on the unit. If Logging is turned off, dispense and event logs will not be saved, and when they are exported to a USB flash drive the files will appear empty. *(See Page 17 for exporting logs).*

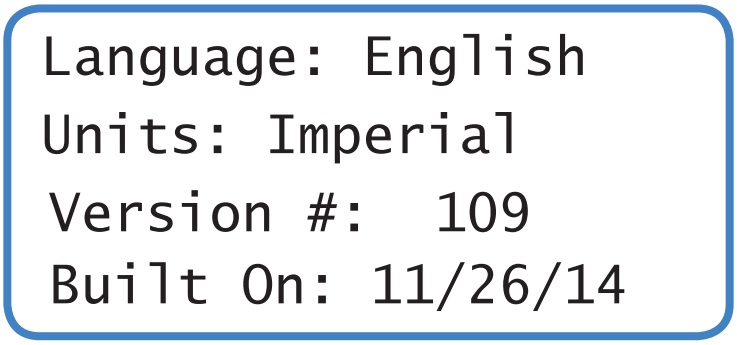
READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Press ENTER, → or ← over the “Language” option to switch between English and Spanish text.

Press ENTER, → or ← over the “Units” option to switch between Imperial and Metric units of measurement when creating new dispense applications.

The Version # shows what software version this unit currently has, and the bottom of the page shows when this unit was built.

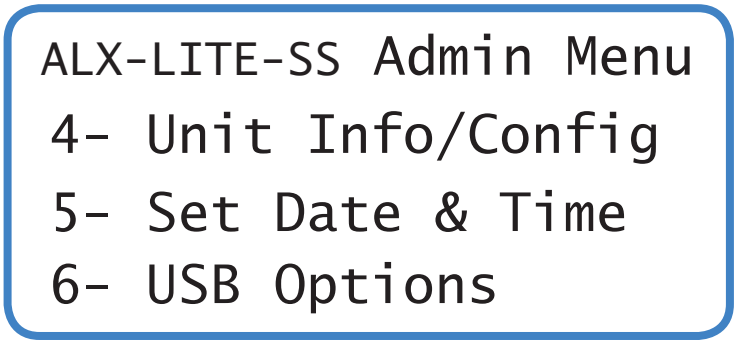
Once finished, press ESC to return to the main Admin menu. Any changes will be automatically saved.



Set Date & Time

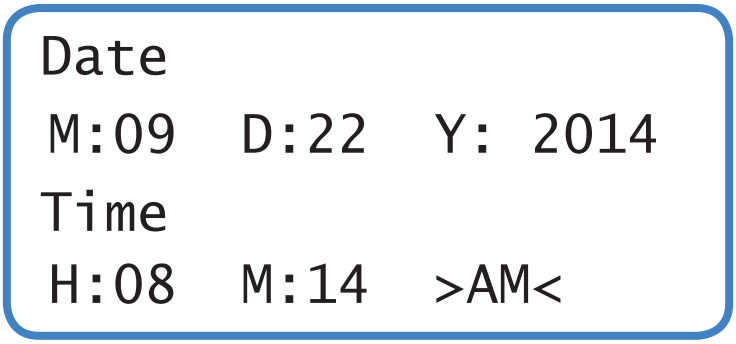
To change the date or time on the unit, log into the Admin screen by pressing the “Admin” button and typing in the 4-digit administrator passcode.

Press “5” or use the navigational keys to select “Date & Time” and press ENTER.



Use the keypad to input the correct values for the date and time. To change from AM to PM scoll untill the AM on the screen appears as “>AM<” press ENTER to switch to PM. Use the same method to switch from PM to AM.

Once finished, press ESC to return to the main Admin menu. Any changes will be automatically saved.



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

USB Options

To access USB Options on the unit, log into the Admin screen by pressing the "Admin" button and typing in the 4-digit administrator passcode.

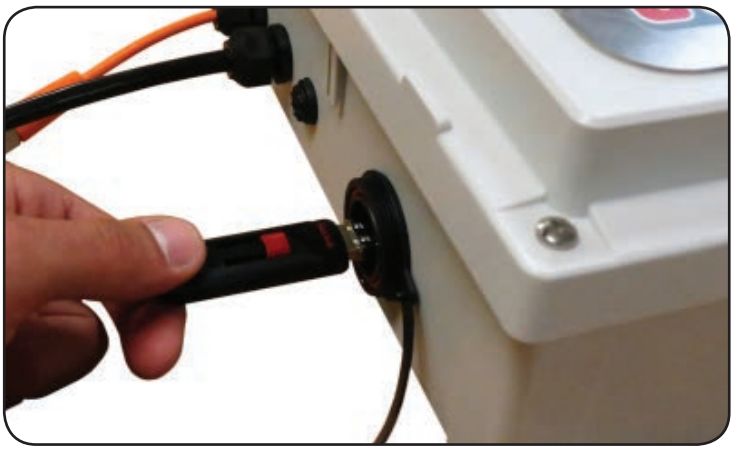
Press "6" or use the navigational keys to select "USB Options" and press ENTER.

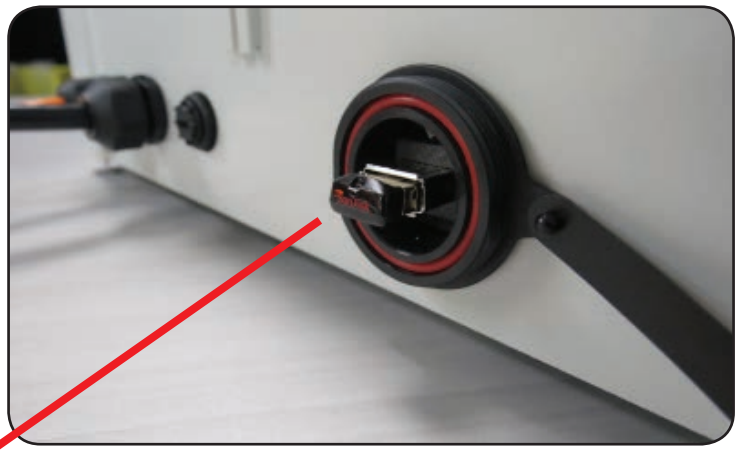
Press ENTER over any of the following options to select it.

- **Update USB Logs:** Send all new Events (user logins, changed settings, dispenses, etc.) and Dispense Logs to a USB flash drive. The Dispense Logs will appear as a .csv file, and the Event Logs will appear as a .txt file.
- **Export Config:** Send a backup of the Unit Config data to a USB flash drive. This will appear as 3 different .json files on the USB drive (apps, devices, and users).
- **Import Users:** Import a list of users from the usersExport.json file that is created from the "Export Config" option. *(See Page 18 for instructions on importing config files).*
- **Import Apps:** Import a list of users from the appsExport.json file that is created from the "Export Config" option. *(See Page 18 for instructions on importing config files).*
- **Import Devices:** Import a list of devices from the devicesExport.json file that is created from the "Export Config" option. *(See Page 18 for instructions on importing config files).*

The ALX-LITE-SS unit will come with a small USB flash drive already plugged into the USB port on the bottom for your convenience, although any standard USB flash drive can also be used.

Once any export process is complete, the unit will display "Export Complete," and whatever was exported to the flash drive will appear when it is plugged into a computer.





READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Importing Backups

If any applications, devices, or users are accidentally removed or erased from the unit, the .json files can be used to apply a backup. Clean Logix recommends exporting the config data on an ALX-LITE-SS every 1 to 2 months. *(See Page 17 for instructions on exporting config data).*

When "Export Config" is selected from the USB Options menu, 3 files are sent to the USB drive: apps.Export.json, devices.Export.json, and users.Export.json.

To import any of the .json files, they must first be renamed on a computer so the ALX-LITE-SS can recognize and use them. Use the following table to rename the files correctly.

Old File Name	Must be Renamed
apps.Export.json	apps.Import.json
devices.Export.json	devices.Import.json
users.Export.json	users.Import.json

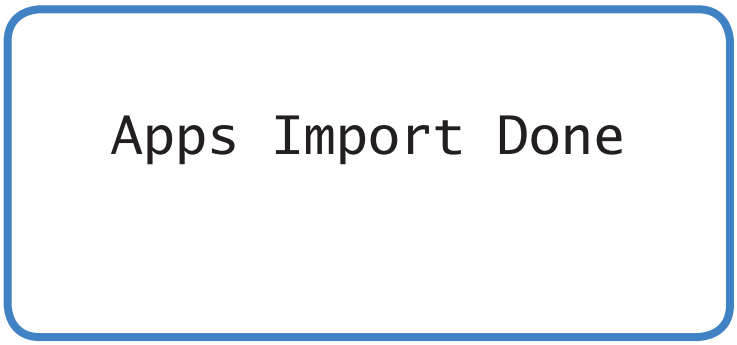
Once the file on the USB drive is renamed, plug the flash drive into the unit via the USB port on the bottom.

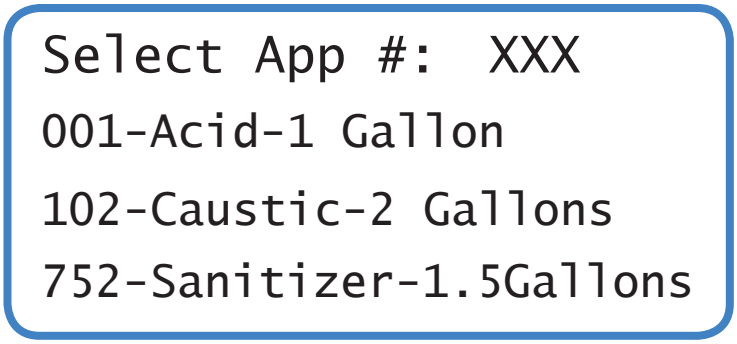
Log into the Admin screen by pressing the "Admin" button and typing in the 4-digit administrator passcode, then press "6" or use the navigational keys to select "USB Options" and press ENTER.

Select what needs to be imported (apps, devices, or users) and press ENTER.

Once the unit has given a confirmation message, press ESC and the unit will say "System Restarting."

Once it has restarted, the data from the .json file will appear on the unit.



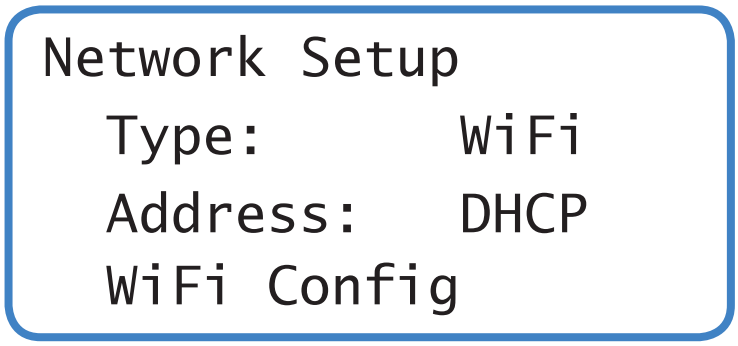


READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

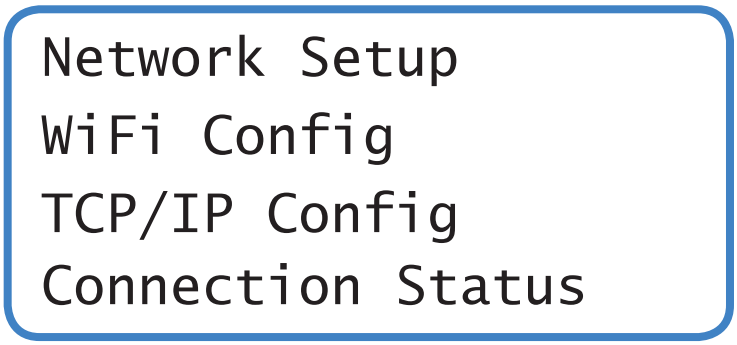
Network Setup

To edit Network settings on the unit, log into the Admin screen by pressing the “Admin” button and typing in the 4-digit administrator passcode.

Press “7” or use the navigational keys to select “Network Setup” and press ENTER.

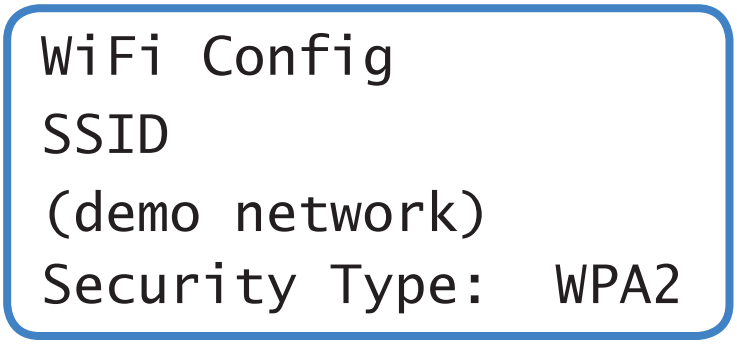


From here the unit’s network settings can be changed. To change an option, use the navigational keys to select it, then press ENTER to switch settings.



Press → or ← over the “Type” option to specify if the unit will connect to the network via WiFi, Ethernet, or not at all.

Press → or ← over the “Address” option to specify a DHCP address, or a manual IP address.



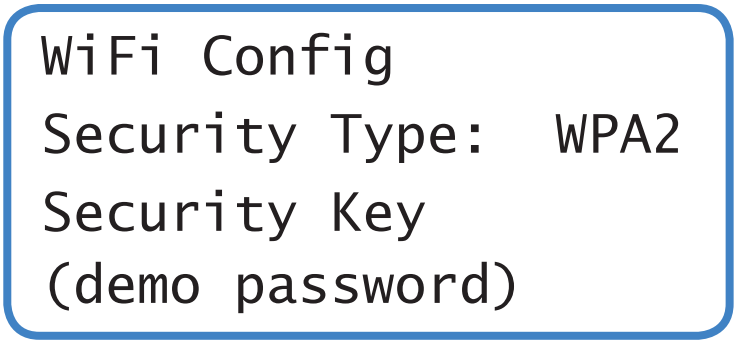
Setup on a WiFi Network w/ DHCP

Set the “Type” to “WiFi” and set the address to “DHCP.”

Press ENTER over the “WiFi Config” option to setup the unit on the wireless network. From here, use the key-pad to type in the SSID (name of the network).

Press → or ← over the “Security type” to select be-tween WEP, WPA, WPA2 or no encryption options.

Press ↓ to scroll down, then use the keypad to type in the password to the wireless network.



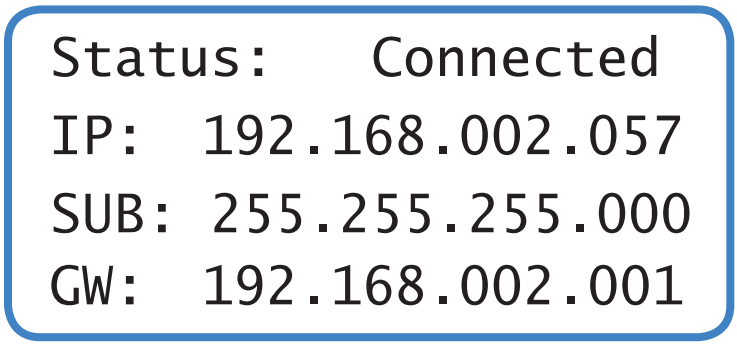
READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

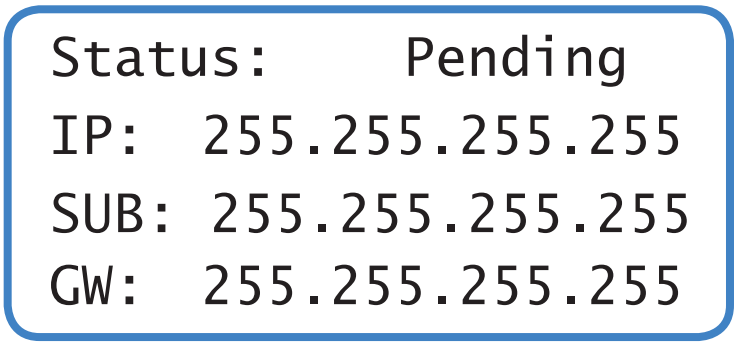
Setup on a WiFi Network w/ DHCP (Continued)

Once finished, press ESC to return to the Network Setup menu. Press ESC again and the unit will say "Initializing" and will return to the main menu. Any changes will be automatically saved.

To see if the unit is connected to the network, log back into the Network setup page and press ENTER over "Connection Status."

The unit will either say "Connected," "Pending," or "Disconnected."

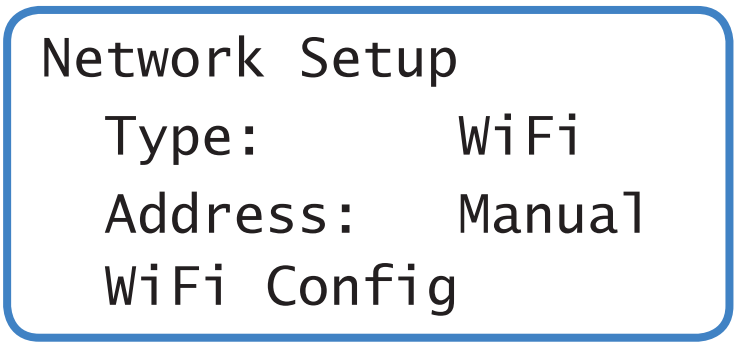




Setup on a WiFi Network w/ Manual IP Info

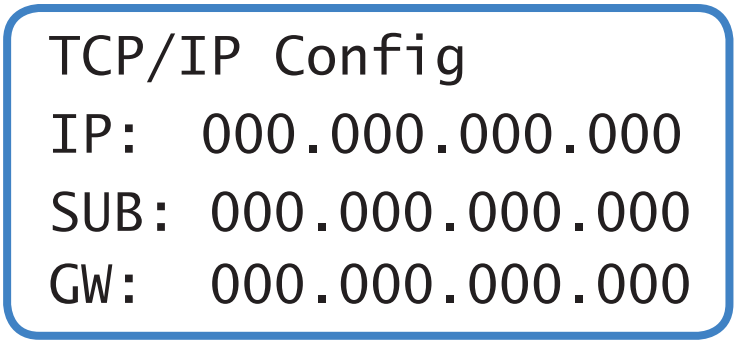
Set the "Type" to "WiFi" and set the address to "Manual."

Press ENTER over the "TCP/IP" option to manually setup the unit on the WiFi Network.



Use the keypad to type in the IP address, the Subnet, the Gateway, and the DNS.

Once finished, press ESC to return to the Network Setup menu. Press ESC again and the unit will say "Initializing" and will return to the main menu. Any changes will be automatically saved.



To see if the unit is connected to the network, log back into the Network setup page and press ENTER over "Connection Status."

The unit will either say "Connected," "Pending," or "Disconnected."

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Setup on an Ethernet Network w/ DHCP

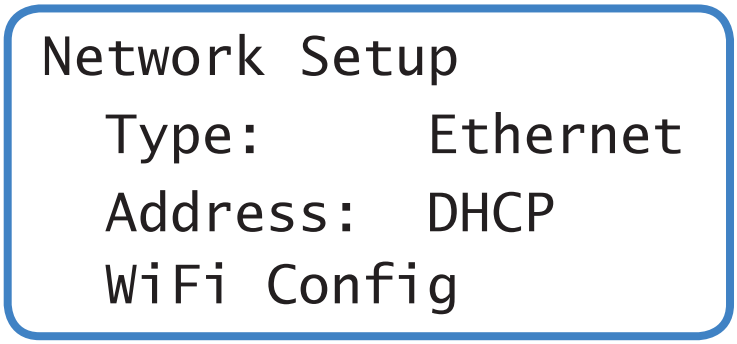
Make sure the unit is plugged into the Ethernet network.

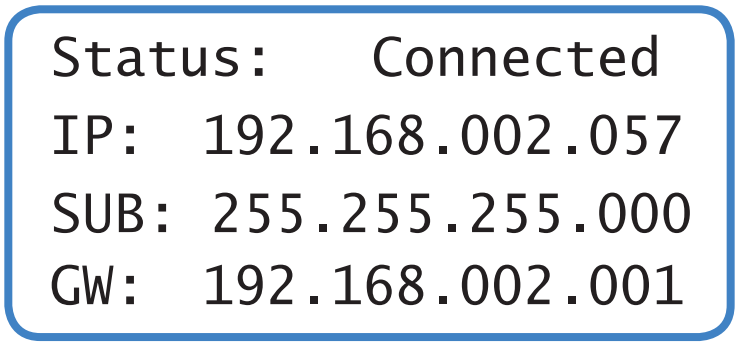
Set the "Type" to "Ethernet" and set the address to "DHCP."

Once finished, press ESC to return to the Network Setup menu. Press ESC again and the unit will say "Initializing" and will return to the main menu. Any changes will be automatically saved.

To see if the unit is connected to the network, log back into the Network setup page and press ENTER over "Connection Status."

The unit will either say "Connected," "Pending," or "Disconnected."





Setup on an Ethernet Network w/ Manual IP Info

Set the "Type" to "Ethernet" and set the address to "Manual."

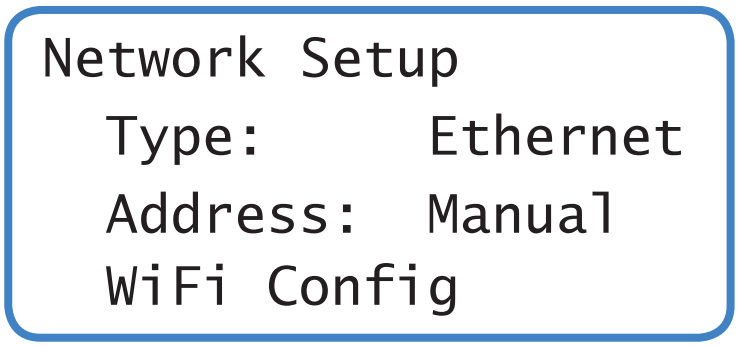
Press ENTER over the "TCP/IP" option to manually setup the unit on the Ethernet Network.

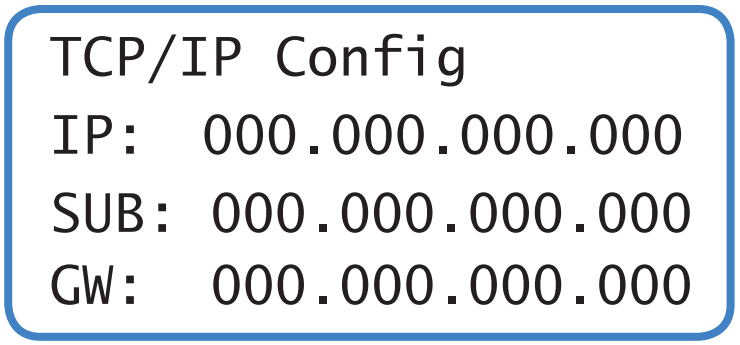
Use the keypad to type in the IP address, the Subnet, the Gateway, and the DNS.

Once finished, press ESC to return to the Network Setup menu. Press ESC again and the unit will say "Initializing" and will return to the main menu. Any changes will be automatically saved.

To see if the unit is connected to the network, log back into the Network setup page and press ENTER over "Connection Status."

The unit will either say "Connected," "Pending," or "Disconnected."



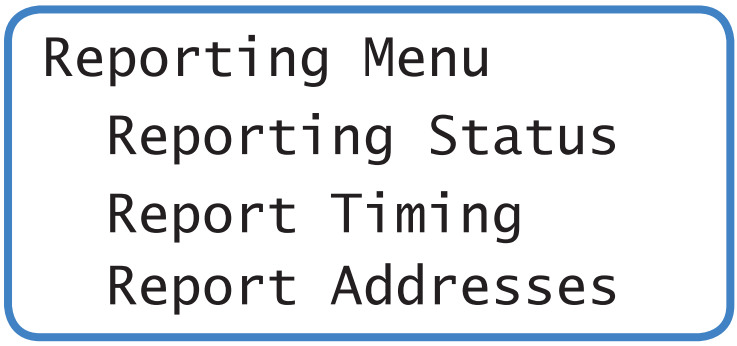


READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Reporting

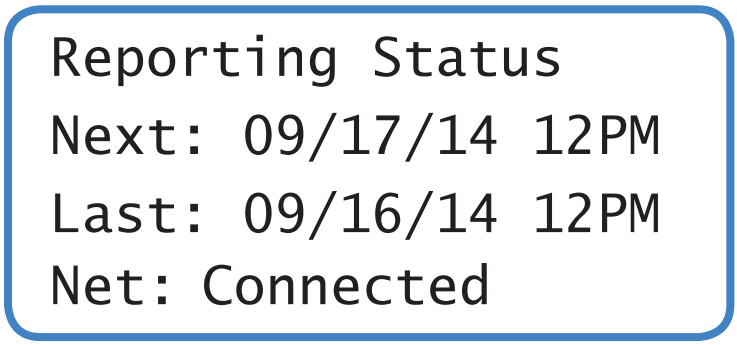
To edit Reporting settings on the unit, log into the Admin screen by pressing the "Admin" button and typing in the 4-digit administrator passcode.

Press "8" or use the navigational keys to select "Reporting" and press ENTER.



Here the reporting status, timing, and addresses can be changed.

Press ENTER over "Reporting Status" to see when the next Dispense Report will be emailed, when the last Dispense Report was emailed, and whether the unit is connected to the plant network or not.

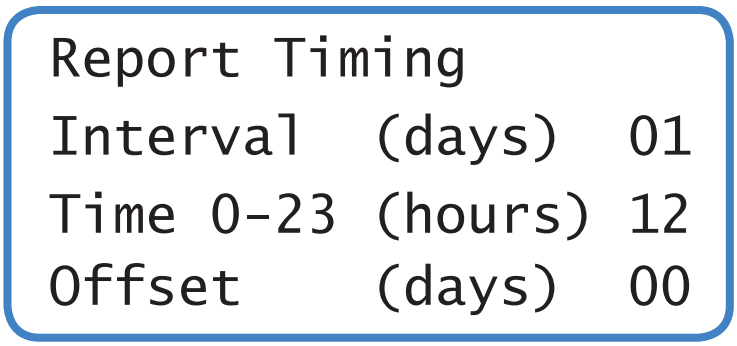


Press ENTER over "Report Timing" to change when the Dispense Reports will be sent. Use the navigational keys and the keypad to set the following options:

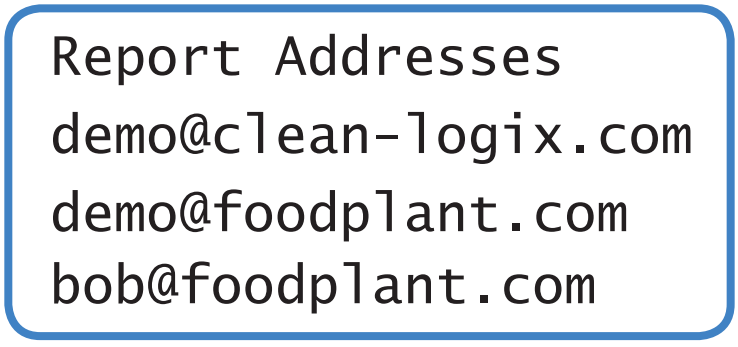
Interval: The interval between email reports (in days). Example: a 30 day interval will send a report once a month. A 7 day interval will send a report once a week, etc.

Time: What hour of the day the email report will be sent at (using a 24 hour clock).

Offset: How many days from now that the report will be sent (use this if the unit is being serviced on one day, but the reporting needs to start a different day).



Press ENTER over "Report Addresses" to enter up to three different email addresses that the Dispense Reports will be emailed to. Use the keypad to type in the addresses.

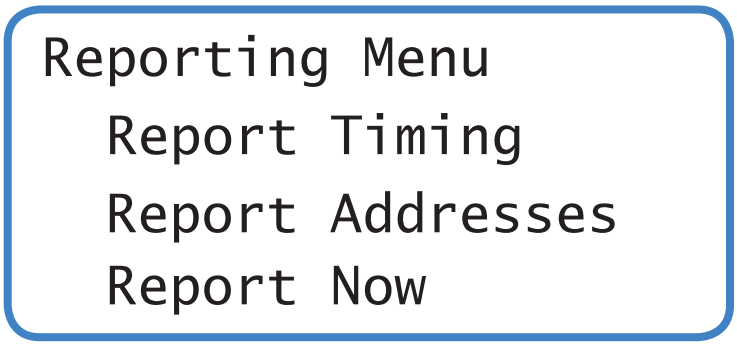


Once finished, press ESC. Any changes will be automatically saved.

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Reporting (Continued)

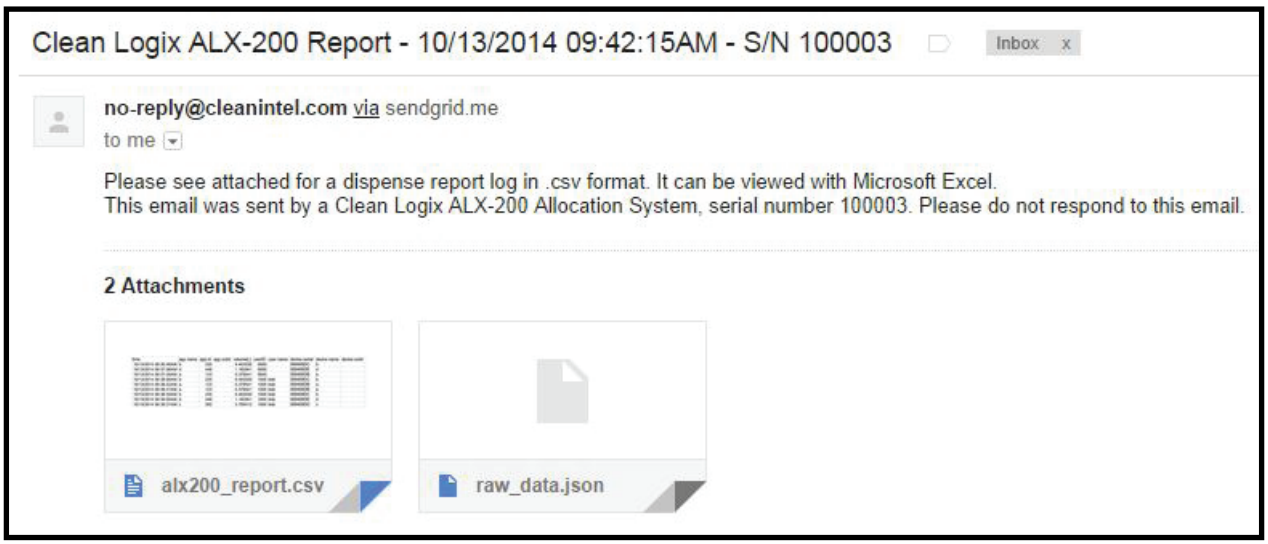
To manually force an email report to be sent, go to the Reporting Menu and press ↓ to scroll down until "Report Now" appears.



Press ENTER over "Report Now" to send an email report to all of the email addresses setup in "Report Addresses."

If the unit is connected to the internet, it will send a report containing the latest dispense logs (since the last email report) in a .csv file, and the raw data of the dispense logs in a .json file.

The report will include the date and time of the report, as well as the serial number of the unit that it was sent from. If the report is not received, check the spam filter on your email provider as well as the internet connecton of the ALX-LITE-SS.


Clean Logix ALX-200 Report - 10/13/2014 09:42:15AM - S/N 100003
Inbox x
no-reply@cleanintel.com via sendgrid.me
to me
Please see attached for a dispense report log in .csv format. It can be viewed with Microsoft Excel.
This email was sent by a Clean Logix ALX-200 Allocation System, serial number 100003. Please do not respond to this email.
2 Attachments
alx200_report.csv
raw_data.json

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

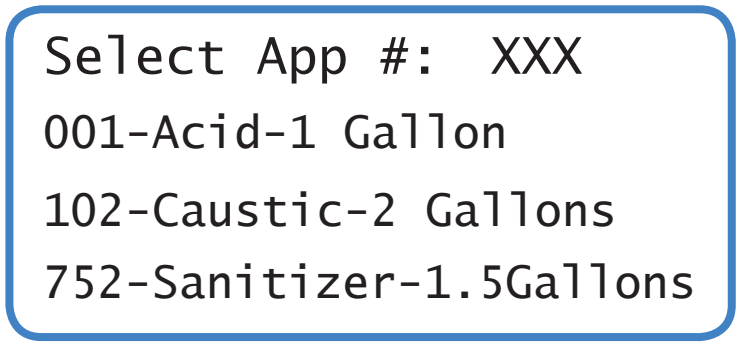
Operation Instructions

Dispensing

To begin dispensing with the ALX-LITE-SS, users login by typing in their 4-digit code, swiping their RFID card, or by pressing START from the home screen.

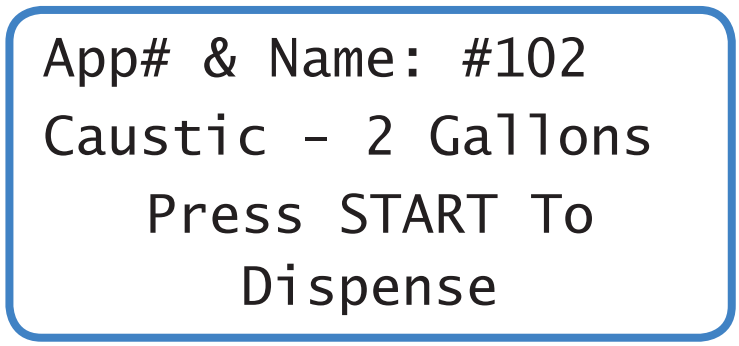
If the Login Level is set to “Admin,” the home page will not require users to type in their passcode to dispense, and will simply say “Press Start to Begin.”

If the Login Level is set to “Users” or “RFID,” the unit will require users to type in their 4-digit code or swipe their RFID card to dispense. *(See Page 15 to change Login Levels)*



Select an application to dispense from the list of apps that are currently setup on the unit Use the navigational keys to scroll through the list, or type in the app’s 3-digit code. (*See Page 13 to create new applications).*

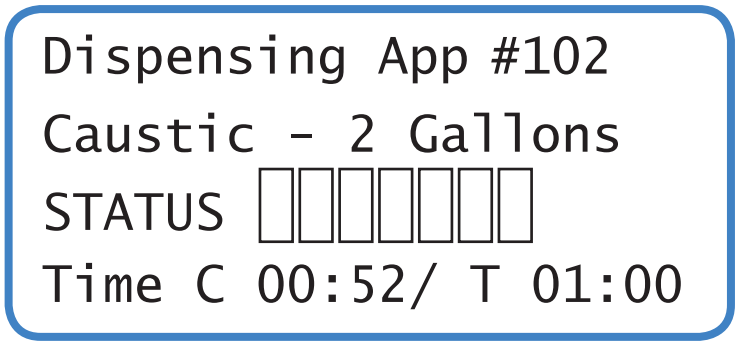
Press ENTER on an application to select it.



Once the app has been selected, the pre-dispense screen will appear for final confirmation. Press START to dispense the application.

The dispense screen will show the app name, status, and current and total time of the dispense.

Once the status bar has reached the end, the dispense has finished. Press STOP to return to the list of applications. Press STOP again to return to the home screen.

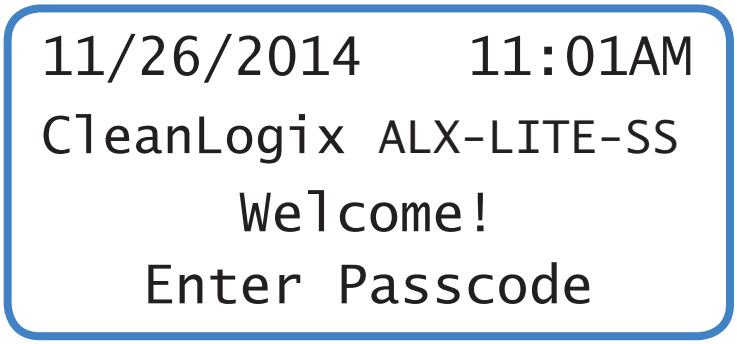


READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Troubleshooting

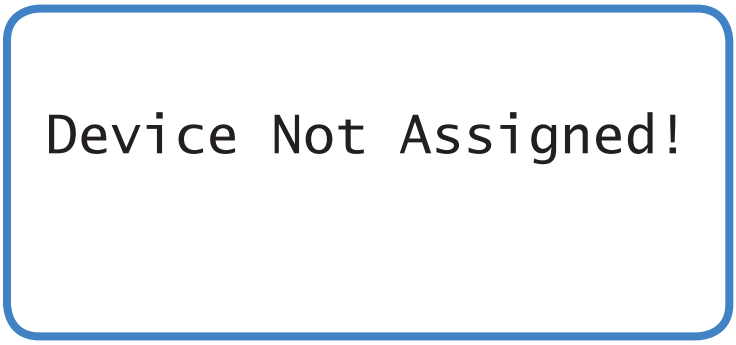
Dispense Errors

Event	START/STOP buttons not working at the home screen.
Cause	No applications are setup on the unit, so it will not allow a user to go past the home screen.
Solution	Log into the Admin screen, then under "Applications" create new dispense apps. (See Page 13).

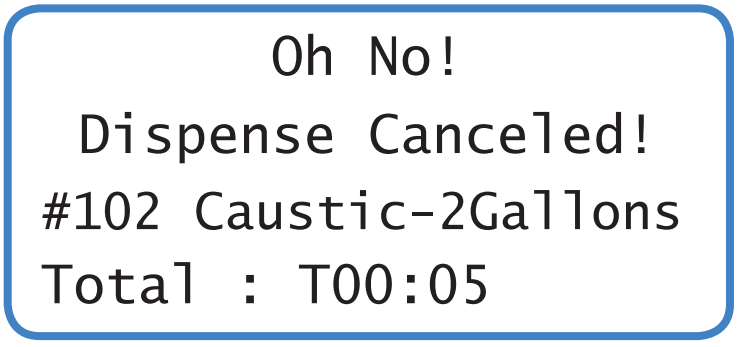


Message	Device Disconnected
Cause	The pump controller assigned to this application has been disconnected from the CAN network.
Solution	Ensure all pump controllers have power, and check all connections between the boards.

Message	Device Not Assigned
Cause	The application does not have a device assigned to it, so it cannot dispense.
Solution	Log into the Admin screen, then under "Applications" select the application and assign a device to it. (See Page 13).



Message	Dispense Canceled
Cause	User pressed STOP before the dispense finished.
Solution	During a dispense, *do not press any buttons until the post-dispense screen appears,* signaling the end of the dispense.



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Admin Screen Errors

Message	Export Failed
Cause	A USB flash drive is not plugged into the USB port on the bottom of the unit.
Solution	Plug a USB flash drive into the unit so that it can export logs.

Message	Export Empty
Cause	No new dispense logs have been created since the last time logs were exported.
Solution	Once new dispenses have been run, the unit will be able to successfully export “New Dispenses.”

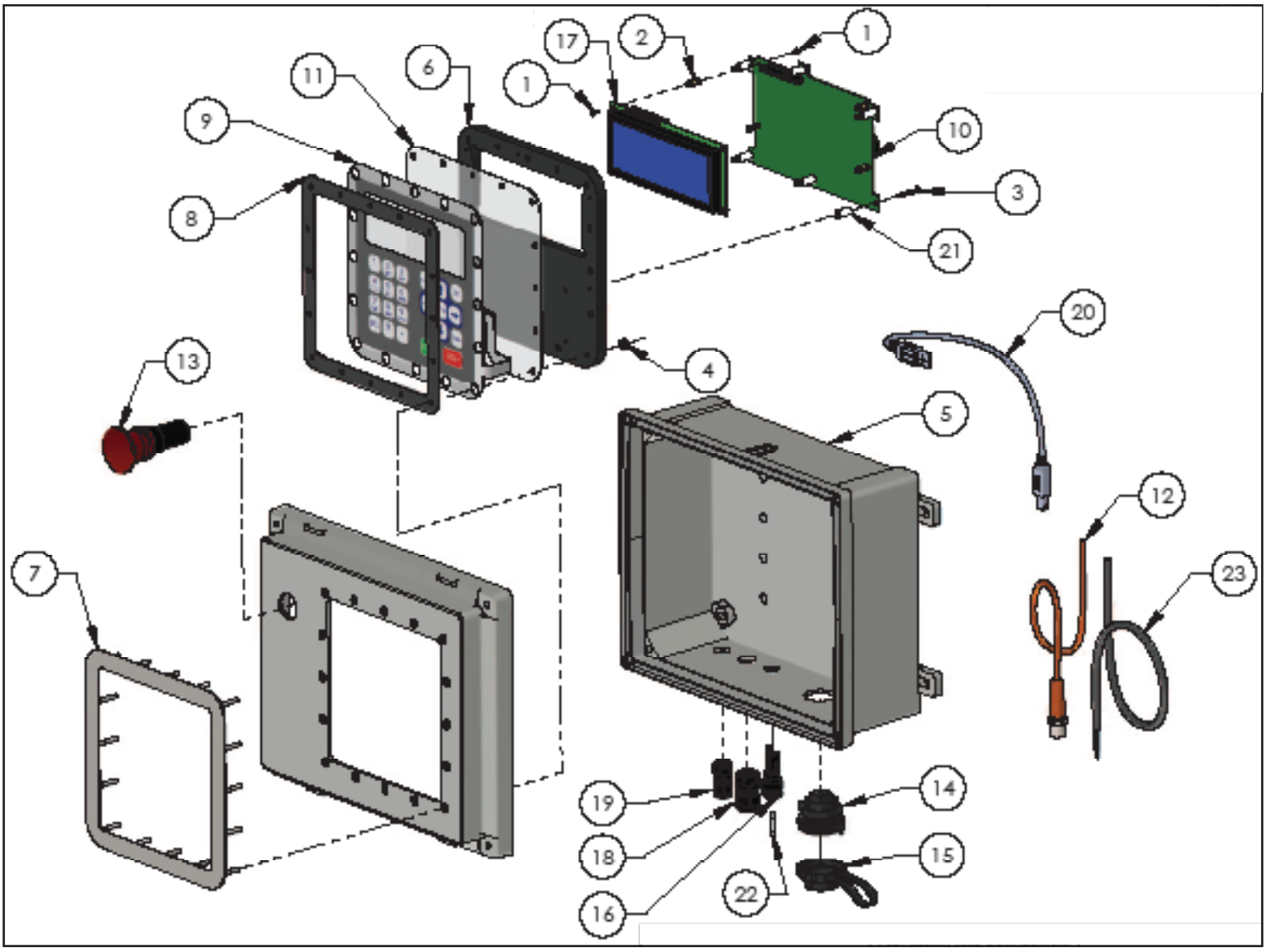
Message	Reporting Disabled
Cause	A manual report was attempted, but the interval in “Report Timing” is set to “00.”
Solution	Log into the Admin screen, then under “Reporting” select “Report Timing” and set the interval to something higher than “00.” (See Page 22).

Message	Nothing to Report
Cause	A manual report was attempted, but there have not been any new dispenses since the last report.
Solution	Once new dispenses have been run, the unit will be able to successfully report.

READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Exploded Views/BOMs

Model ALX-LITE-SS | Exploded View



READ ALL INSTRUCTIONS BEFORE OPERATING EQUIPMENT

Model ALX-LITE-SS | BOM

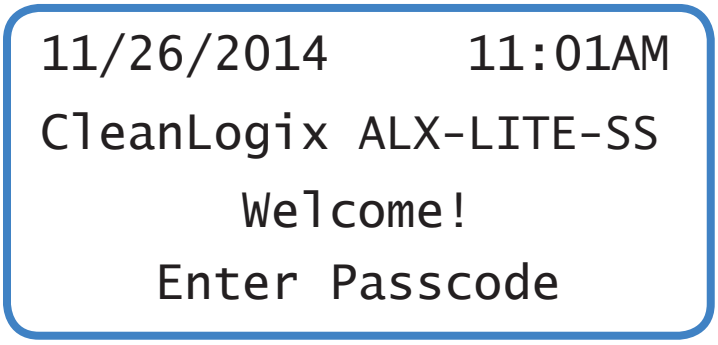
NO.	PART NUMBER	DESCRIPTION	QTY.
1	FI158	SCREW MACHINE M2.5 X 5 SS PHILLIPS PAN HD	8
2	FI159	STANDOFF M2.5 X 14 ALU	4
3	FI160	SCREW MACHINE 4-40 X 7/8 IN PHILLIPS PAN HD	6
4	FI163	NUT KEPS LOCK 6-32 IN	16
5	MI499	CONTROLLER ENCLOSURE	1
6	MI500	MEMBRANE BACK PLATE	1
7	MI501	MEMBRANE BEZEL	1
8	MI502	GASKET 200 SERIES KEYPAD	1
9	MI511	MEMBRANE KEYPAD 200 SERIES	1
10	MI512	PCB 200 SERIES CONTROLLER	1
11	MI610	200 SERIES KEYPAD CARRIER	1
12	P1199	CABLE M12 4-PIN AXIAL MALE-FEMALE 2m	1
13	P1429	PUSH-PULL BUTTON RED 40MM	1
14	P1431	USB RECEPTACLE PANEL MOUNT	1
15	P1432	USB DUST CAP ASSY	1
16	P1433	FUSE HOLDER 250V 10A PANEL MOUNT	1
17	P1437	LED DISPLAY 4X20	1
18	P1438	CORD GRIP PG9 .185-.312	1
19	P1439	CORD GRIP PG7 .118-.250	1
20	P1442	USB CABLE A MALE to B MALE 1 FOOT	1
21	P1465	SPACER #4 X 1/4" X 9/16" NYLN	6
22	P1489	FUSE 250VAC 5A 5X20	1
23	P1490	CABLE 2 CONDUCTOR 18 AWG PVC	1

CHEMICAL ALLOCATION LOGIX DISPENSING INSTRUCTIONS

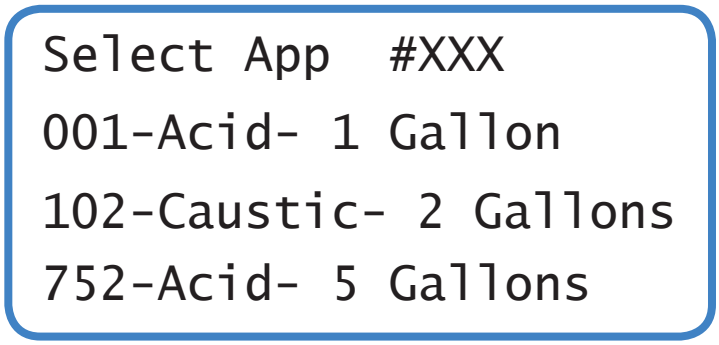
ALWAYS WEAR THE PROPER PPE'S (INCLUDING FACESHIELD) WHILE DISPENSING CHEMICALS

Leave Main Power ON at all times

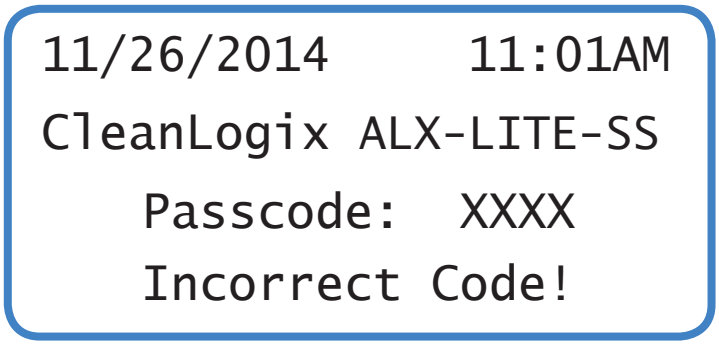
1. Type in your 4 digit user code, or press START to log in. If your code is entered correctly, you will be brought to the next screen. If your code is entered incorrectly, press DEL to delete the wrong numbers and try again.



Home Screen: Type Passcode

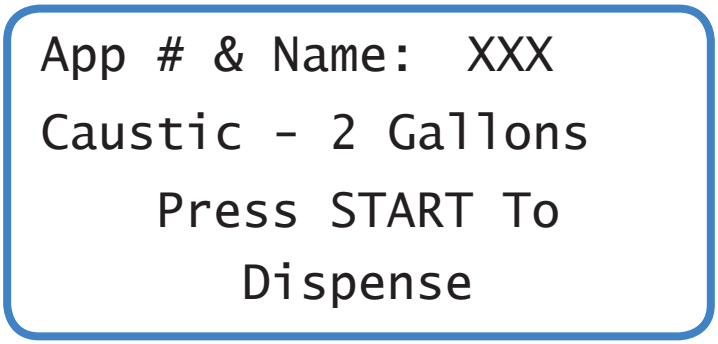


Passcode Entered **Correctly**
(List of Applications will Vary)

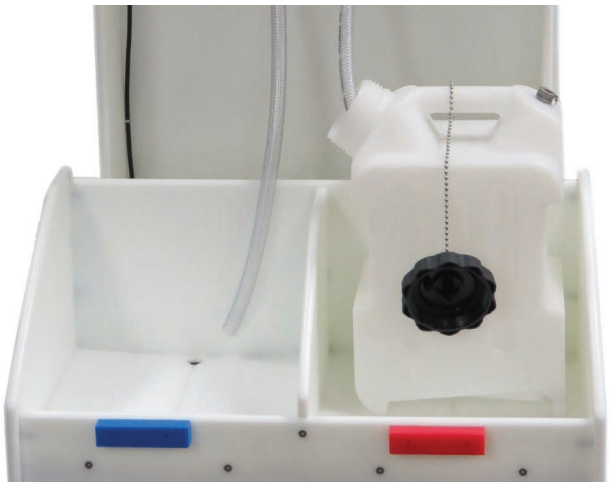


Passcode Entered **Incorrectly**

2. Type in the 3 digit code of the application you want to dispense, or use the arrow keys to scroll through the list. Press ENTER to select an application, and a description will appear for confirmation.



3. Make sure the proper hose is in the proper container before dispensing.



4. If you have selected the correct application,

Press START to continue.

5. Application will begin to dispense.

```
Dispensing App #102
Caustic - 2 Gallons
STATUS
Time C 00:52 / T 01:00
```

6. Once the dispense has finished,

Press STOP to return to the list of applications.

```
Select App  #XXX
001-Acid- 1 Gallon
102-Caustic- 2 Gallons
752-Acid- 5 Gallons
```

IF THE DISPENSE NEEDS TO BE STOPPED AT ANY TIME, PRESS "STOP."

7. Press STOP again to return to the home screen.

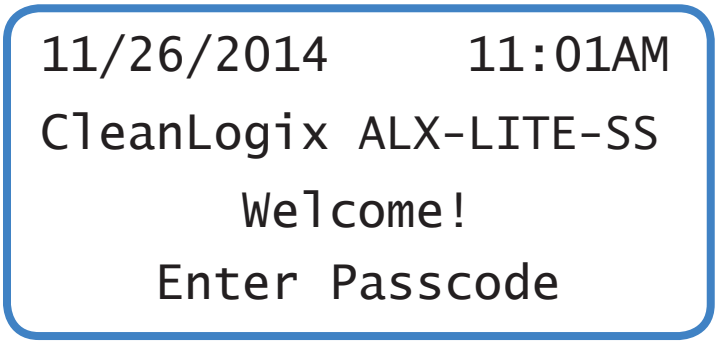
```
11/26/2014      11:01AM
CleanLogix ALX-LITE-SS
Welcome!
Enter Passcode
```

CHEMICAL ALLOCATION LOGIX INSTRUCCIONES

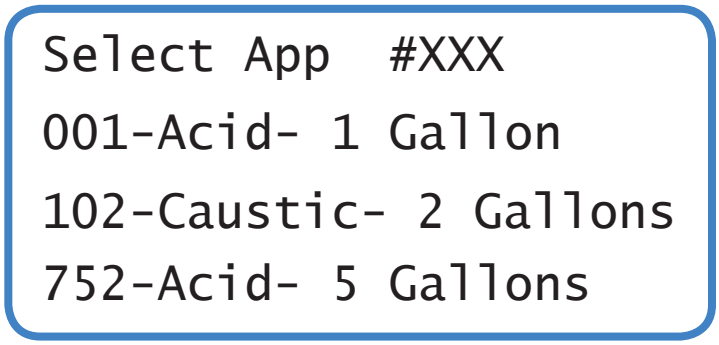
SIEMPRE USAR LA ROPA ADECUADA (INCLUYENDO LA CARETA) CUANDO SE DISTRIBUYE PRODUCTOS QUÍMICOS

Deje el Interruptor de Alimentación Principal en Todo Momento

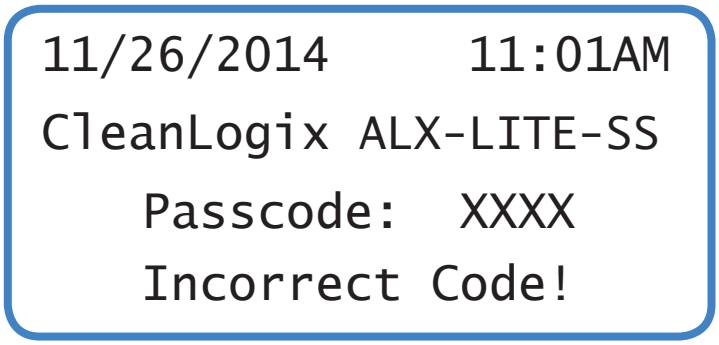
1. Escriba su código de usuario de 4 dígitos, o pulse START que entrar. Si se ha introducido correctamente el código, se le llevará a la siguiente pantalla. Si se introduce el código de forma incorrecta, pulse la tecla CLR / DEL para borrar los números erróneos, y vuelva a intentarlo.



Pantalla de Inicio: Tipo de Contraseña o pulse START

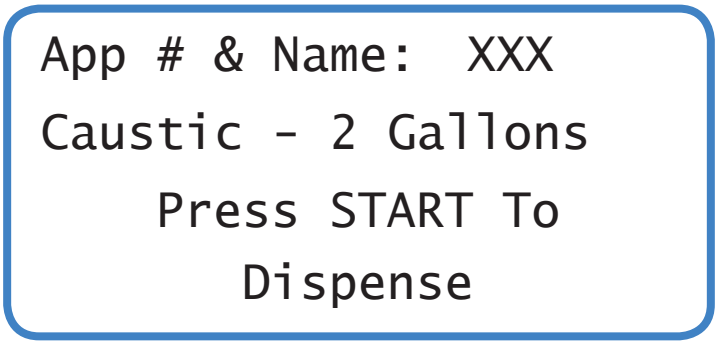


Código de Acceso Introducido **Correctamente**

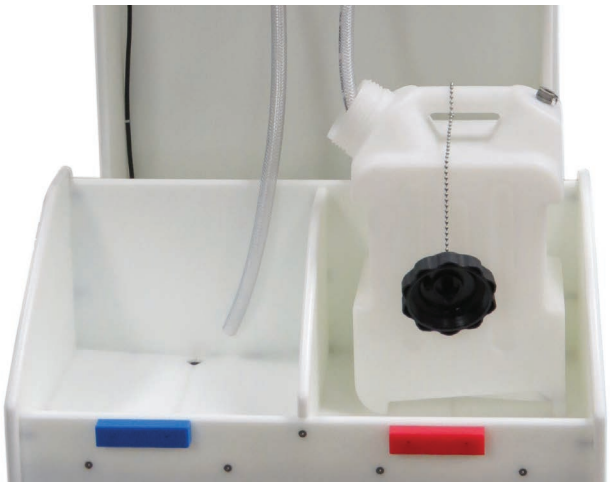


Código de Acceso Introducido **Incorrectamente**

2. Seleccione una aplicación escribiendo el código de 3 dígitos para la fórmula que quiere dispensar. Una descripción se van a plantear para confirmar la fórmula.



3. Asegúrese de que la manguera adecuada está en el recipiente adecuado antes de la dispensación.



4. Si ha seleccionado la aplicación correcta,

Pulse START para continuar.

5. Aplicación comenzará a dispensar

```
Dispensing App #102
Caustic - 2 Gallons
STATUS □□□□□□□
Time C 00:52 / T 01:00
```

6. Cuando haya terminado de la dispensación,

Pulse STOP para volver a la lista de aplicaciones.

```
Select App  #XXX
001-Acid- 1 Gallon
102-Caustic- 2 Gallons
752-Acid- 5 Gallons
```

SI SE NECESITA TERMINAR, PULSE “STOP”

7. Pulse STOP otra vez para volver a la pantalla inicio.

```
11/26/2014      11:01AM
CleanLogix ALX-LITE-SS
      Welcome!
   Enter Passcode
```